

Title (en)

A METHOD FOR PRODUCING A DEPOSIT AND A DEPOSIT ON A SURFACE OF A SILICON SUBSTRATE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ABLAGERUNG UND EINE ABLAGERUNG AUF EINER OBERFLÄCHE EINES SILIZIUMSUBSTRATS

Title (fr)

PROCÉDÉ POUR LA PRODUCTION D'UN DÉPÔT ET DÉPÔT SUR UNE SURFACE D'UN SUBSTRAT EN SILICIUM

Publication

EP 2569459 A1 20130320 (EN)

Application

EP 11727713 A 20110506

Priority

- FI 20105498 A 20100510
- FI 2011050417 W 20110506

Abstract (en)

[origin: WO2011141628A1] A deposit and a method for producing a deposit on a surface of a silicon substrate. The deposit comprises aluminum oxide, and the method comprises in any order the alternating steps of a) introducing into a reaction space one of water and ozone as a precursor for oxygen, b) introducing into a reaction space the other of water and ozone as a precursor for oxygen, c) introducing into a reaction space a precursor for aluminum and subsequently purging the reaction space; with the provisions that when step a) or step b) precedes step c) then the reaction space is purged before step c), and that the reaction space is not purged between step a) and step b), when step a) precedes step b) or when step b) precedes step a).

IPC 8 full level

C23C 16/40 (2006.01); **C23C 16/455** (2006.01)

CPC (source: EP KR US)

C23C 16/40 (2013.01 - KR); **C23C 16/403** (2013.01 - EP US); **C23C 16/455** (2013.01 - KR); **C23C 16/45525** (2013.01 - EP US); **H01L 21/02178** (2013.01 - US); **H01L 21/0228** (2013.01 - US)

Citation (search report)

See references of WO 2011141628A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011141628 A1 20111117; CN 102892921 A 20130123; EA 201291184 A1 20130930; EP 2569459 A1 20130320; FI 20105498 A0 20100510; KR 20130103667 A 20130924; TW 201144474 A 20111216; US 2013069207 A1 20130321

DOCDB simple family (application)

FI 2011050417 W 20110506; CN 201180023319 A 20110506; EA 201291184 A 20110506; EP 11727713 A 20110506; FI 20105498 A 20100510; KR 20127031482 A 20110506; TW 100115864 A 20110506; US 201113639184 A 20110506